

Colorado: Advancing Energy Codes in a Home Rule State

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Nashville, TN

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Colorado: The Lay of the Land

Department of Local Affairs

- Smallest of 13 State Departments – 180 employees
- Mission statement “Strengthening Colorado Communities”
- Distributes CDBG, CSBG, HOME, Rental Vouchers, State funds with focus on rural Colorado
- Works in partnership with local communities
 - Financial/technical assistance
 - Property tax administration
 - Affordable housing and homelessness
 - Community development
 - Demographic data
 - Disaster recovery services
 - Factory-built structure building department
- Selected in 2010 as lead state agency to manage energy code adoption/compliance efforts beginning with ARRA funding



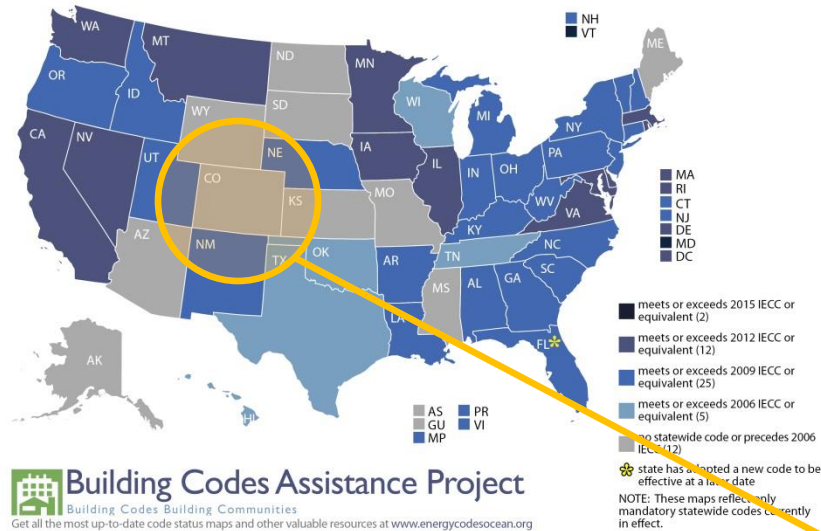
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Colorado: The Lay of the Land

Residential State Energy Code Status AS OF MARCH 1, 2015



 no statewide code or precedes 2006 IECC (12)



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Colorado: The Lay of the Land

Home Rule Governance – Limited State **Regulatory** Role in Building Code Adoption, Enforcement, and Compliance



STATE:

- Plumbing, Electrical, Boilers, Schools, Hospitals, State Facilities, Factory-built Structures, Multi-family in areas with no codes



LOCAL:

- All other residential and commercial buildings, including single-family homes not included above



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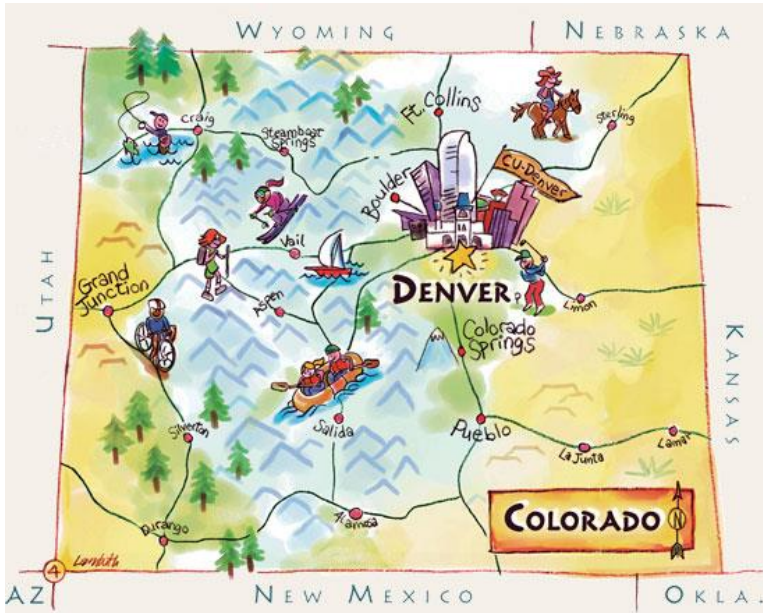
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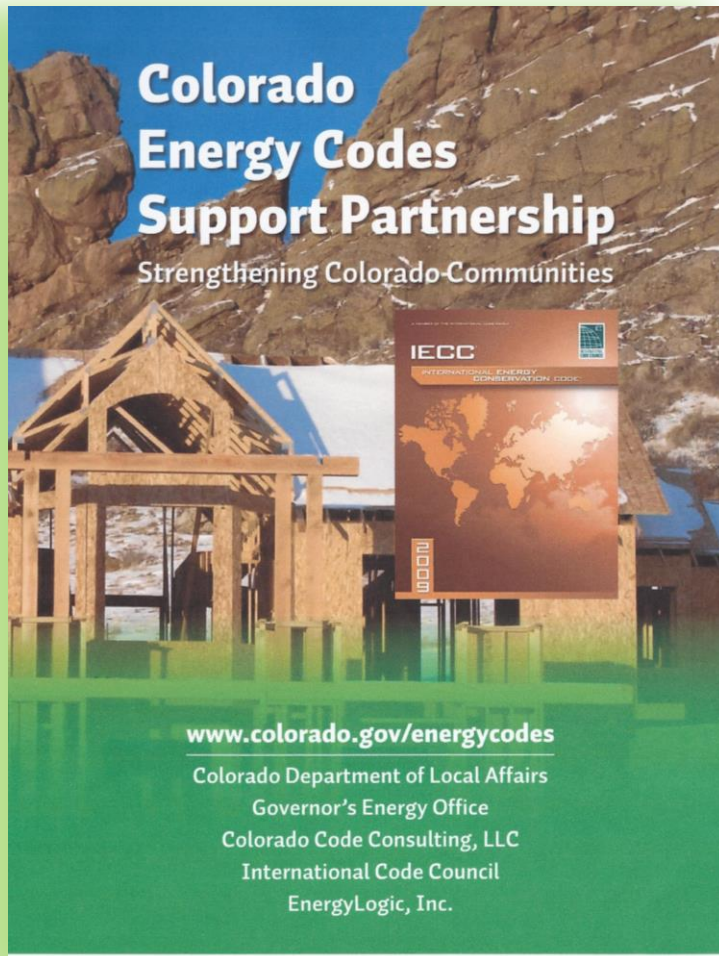
The Facts:

- 104,100 square miles/8th biggest state
- Population density from less than 1 to greater than 5,000/square mile
- 4 climate zones (4, 5, 6, 7)
- 64 counties
- 15 counties with no building codes
- No statewide energy code
- Over 330 local jurisdictions that adopt and enforce their own selected code(s)
- Wide range of adopted and **amended** codes
- Last state action on Energy Codes – HB07-1146 (effective 7/07)



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Colorado: Messaging and Outreach Strategies



1. Develop/Enhance Partnerships

- Local Governments
 - Building Departments
 - Elected Officials
- Colorado Municipal League
- Colorado Counties Incorporated
- Colorado Energy Office
- Colorado Chapter of the International Code Council
- National ICC
- Colorado Code Consulting, LLC.
- SWEEP
- BCAP, BECP, DOE
- Professional Groups: HBA, AIA, BOMA, Real Estate Professions, etc.
- Energy Logic
- National Renewable Energy Laboratory



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Colorado: Messaging and Outreach Strategies



2. Offer Wide Range of Options/Trainings/Resources

- Regular surveys completed to prioritize interest/need & code status
- Tailor trainings to individualized needs/requests of local jurisdictions, regions of the state, audience
- Pool of talented instructors with various specializations and easy access
- Make access as easy as possible: courses held locally, on-line registration, on-line materials
- Provide hard copies of code books and other resources
- ICC and AIA – CEU/Learning Units issued
- Retain and update web based materials



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Colorado: Messaging and Outreach Strategies



3. Strong & Consistent Messages

- Repeated key messages delivered to a variety of audiences
- Activate attendees to get involved in the code change process
- Encourage no local amendments to the code
- O.k. to take small steps with the code to full compliance/enforcement
- Code compliance review is used to improve code, not penalize building departments
- Colorado home buyers already have desire for more efficient homes
- Commercial construction consistently lags behind residential concerning energy code compliance



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Colorado: Results/Next Steps

2010 – 2012

- Successful move of many jurisdictions to the 2009
- From no adoption to over 95% adoption of the 2009 IECC where construction activity occurs
- Creation of the Colorado Energy Code Compliance Collaborative (ECCC)
- Work to maintain momentum and infrastructure for future code adoptions

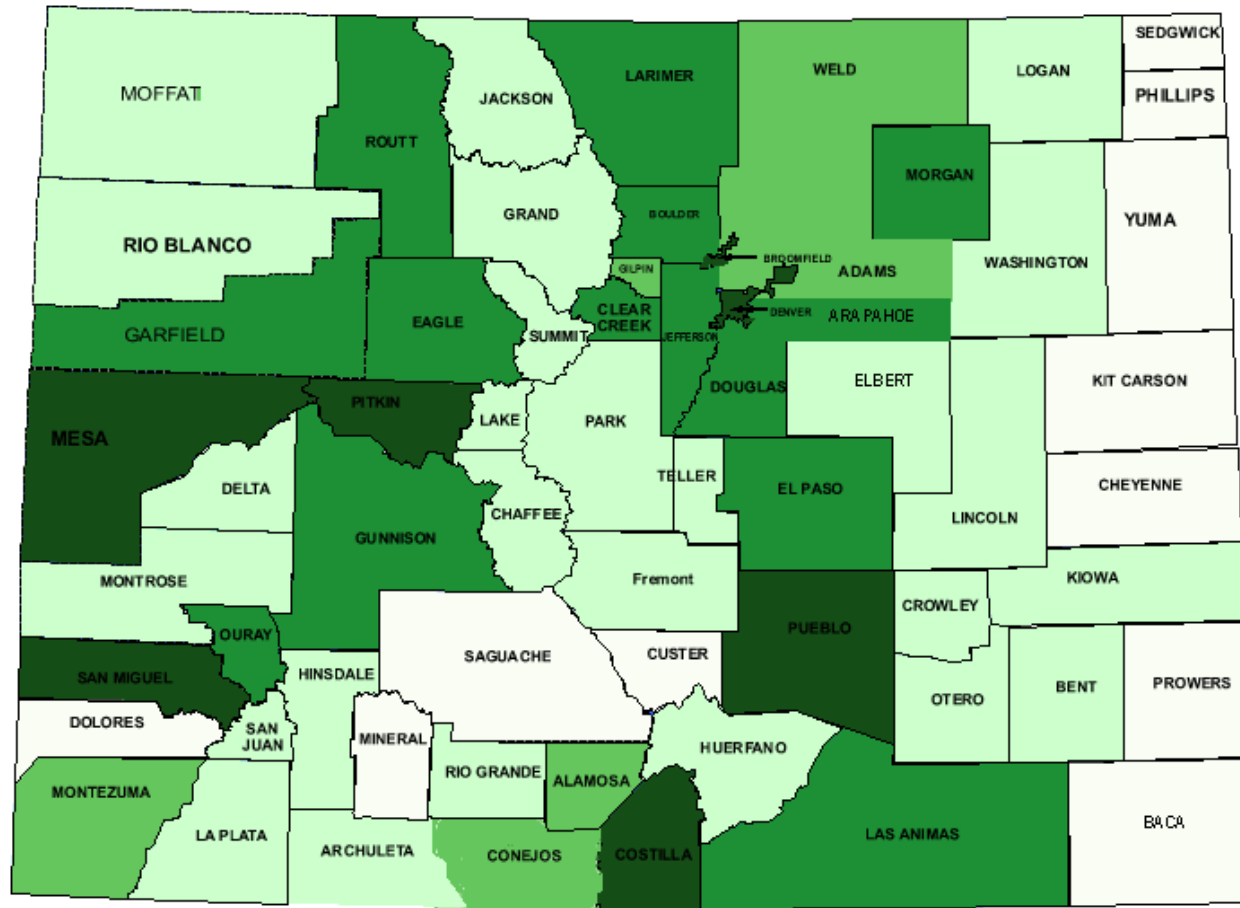
2013 – 2015

- Training and assistance strategies coordinated through the ECCC, including the Colorado Energy Office and Colorado Code Consulting
- Small compliance studies completed to inform future approaches
- Strong interest in enhancing Commercial IECC compliance
- Interest in energy code assistance at local level remains much greater than resources
- Continued adoption of newer energy codes – how to adapt to growing field of adopted code sets?
- Search for additional resources
- Market for HERS rated homes continues to expand



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2009 IECC

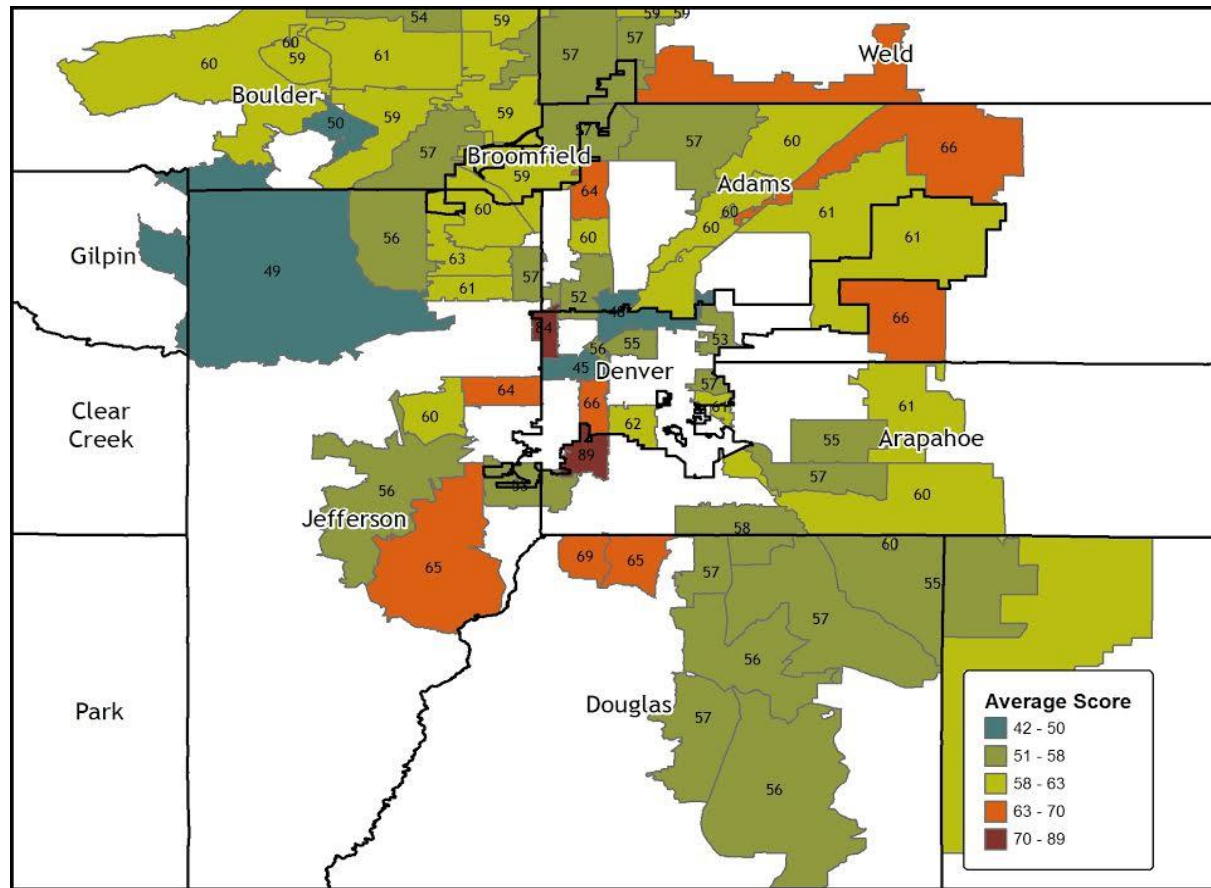


colorado.gov/energycodes

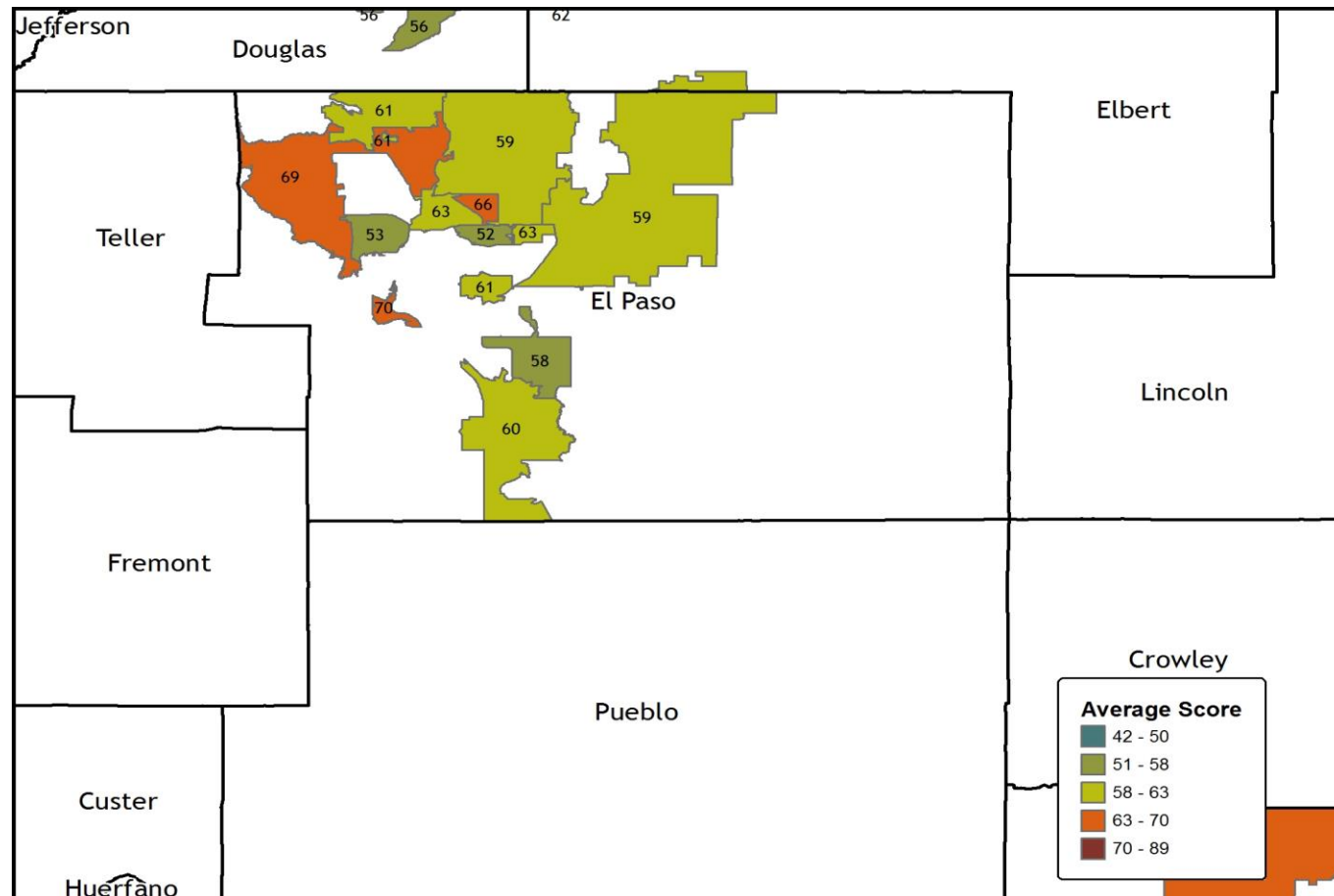


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Denver Metro Average HERS Rating



Colorado Springs Average HERS Rating



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Approximately 15% of all single family homes are built in Colorado Springs and only 18% receive HERS Index Scores

Thanks!



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